AUTOMATIC ON-OFF ELECTRONIC SWITCH

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Abstract of **GB1502056**

1502056 Measuring temperature electrically AMERICAN MEDICAL ELECTRONICS CORP 25 June 1976 26605/76 Heading G1N The measuring and display circuits of a temperature sensing system are energized through an electronic switch for a predetermined time interval after initiation. The measuring system comprises a probe 20, Fig. 2, connected to a bridge circuit 24 to produce an unbalance signal on line 28 repre- sentative of the test temperature. This is augmented at 30 with a voltage dependent on the rate of change to provide at 32 the expected final value of the test temperature, which is then converted at 14 to a proportional pulse rate. Closing a spring-loaded switch 58 energizes the system from power supply 17 via electronic switch 18 and causes con- trol unit 54 to allow clockpulses from generator 56 to be counted at 42 and displayed at 44. After 20 seconds the control unit feeds the temperature measuring pulses from converter 14 to counter 42 for a further fixed period, after which electronic switch 18 cuts-off the power supply.